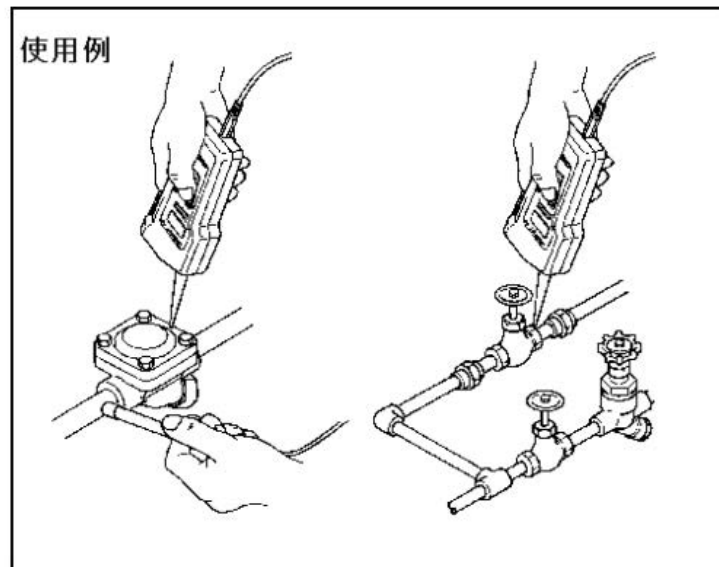


Steam trap diagnostic management system



Steam trap diagnostic management system

Dr. Trap Jr. PM15



* PM15 type is sold as a set of PM11 Ver.1 (hardware) and PM150 (software).

Main features (hardware)

❖ *Main features of the newly improved PM11 Ver.1.*

- An antistatic function has been added to the main body that has maintained the simple waterproof treatment. Along with this, not only is it less susceptible to external static electricity, but it is also less susceptible to static electricity from the main unit.
- Battery life has also been greatly extended. (Approximately twice as much as before)
- The product conforms to European standards. CE marking (EMC Directive 2014/30 / EU)

❖ *Easy-to-read display, easy operation*

- The vibration and temperature of the ultrasonic band are displayed on one screen. All 1 key operation. No operation is required for normal use.

* The vibration value displayed by PM11 is a unit less relative vibration value that is easy to see by digitizing the magnitude of the actual ultrasonic wave (acceleration) detected by the vibration sensor and converting it into an integer in the range of 0 to 400.

❖ *It can be used continuously for 80 hours or more with the power turned on.*

If it is not in use for 9 minutes or more, the power will be turned off automatically.

❖ *Attached functions*

- Stopwatch: This is useful for detecting periodic changes in the vibration of a steam trap.
- Expected steam pressure display The saturated steam pressure is predicted and displayed from the detected temperature.

Key Features SurveyPro Light (Software)

❖ *Output of steam leakage amount and loss amount*

Just by inputting the vibration value detected by PM11, the judgment of steam leakage, the amount of steam leakage, and the amount of loss are output immediately.

❖ *High-speed analysis and aggregation processing*

When you finish entering the inspection results, you can check the defect rate, defect trap breakdown, total loss amount, etc. at a glance.

Hardware

Model	PM11 Ver.1	
Body exterior	ABS resin (heat deformation temperature 85 ° C) simple waterproof treatment	
Weight	230g (including batteries)	
Power supply	2.4 ~ 3.0V 1.5V AA alkaline batteries 2 or 1.2V AA nickel metal hydride batteries 2	
● Battery	● 80 hours or more when using alkaline batteries (45 hours or more when the backlight is continuously lit)	
● Continuous use time	● Nickel metal hydride batteries (1900mAh) 75 hours or more when using (40 hours or more with continuous lighting of the backlight)	
Allowable ambient temperature	0-40 °C	
Vibration sensor / sensitivity / frequency band	Piezoelectric ceramic accelerometer ▪ 30pc / g ± 5% ▪ 10k ~ 40kHz	
Temperature sensor / measurement temperature range	Thermistor 0-250 °C	
Display	Backlit liquid crystal display (3-line display)	
Operation	1 key operation	
Function	Vibration display	Up to 400
	Temperature display	Up to 250 °C
	Vibration peak value display	When the temperature probe is not used

	Stopwatch	Maximum display time 99 minutes 59 seconds
	Expected steam pressure display	When using a temperature probe
	Automatic power off	9 minutes after non-use

SurveyPro Light (software)

Model	PM150
Medium	CD-ROM
CPU	1GHz or higher processor
Memory	1GB or more RAM * 2GB or more for 64-bit
Supported OS	Windows 10, Windows 8.1 32-bit or 64-bit
Hard disk free space	Disk space with 16GB of free space For 64-bit, disk space with 20GB of free space (excluding data area)
Display	Resolution 1024x768 or higher
Required software	Microsoft .NET Framework 4 Client Profile Microsoft SQL Server Compact 3.5 SP2
Other	CD-ROM drive * Dr.Trap and SurveyPro are registered trademarks of Miyawaki Co., Ltd. Windows and Microsoft are registered trademarks of Microsoft Corporation in the United States and other countries.